

WHAT IS CLAIMED IS:

1. A method in a communication device for handover from a first radio access network to a second radio access network, the first radio access network using a different mode of communication from the second radio access network, the method comprising:
 - entering an ongoing communication on the first radio access network;
 - detecting a presence of a second radio access network, the second radio access network being unregistered with the first radio access network at initial detection of the presence of the second radio access network while in the ongoing communication;
 - and
 - transferring the ongoing communication from the first radio access network to the second radio access network.
2. The method according to claim 1, wherein the first radio access network is a cellular radio access network and wherein the second radio access network is a wireless local area network.
3. The method according to claim 1, wherein the second radio access network is not associated with the first radio access network by the first radio access network not initially having information on the second radio access network.
4. The method according to claim 1, wherein entering an ongoing communication further comprises entering a call while operating in a serving cell of the first radio access network,
 - wherein the method further comprises:
 - transmitting a measurement report including a fictitious neighbor value.
5. The method according to claim 1, wherein the fictitious neighbor value includes one of

a same radio frequency value as a broadcast channel carrier of the serving cell including with a different color code from the broadcast channel carrier of the serving cell, and

5 a frequency value not used as a broadcast channel of the first radio access network of the serving cell.

6. The method according to claim 5, wherein the color code comprises an information field including a first three bits of a base station identity code.

10 7. The method according to claim 1, further comprising setting up a data session with the second radio access network; and querying the second radio access network for information relevant to a circuit handover.

15 8. The method according to claim 7, further comprising transmitting a message via a messaging service, the message including information on the second radio access network, the message indicating a desire to transfer the call from the first radio access network to the second radio access network.

20 9. The method according to claim 8, wherein the messaging service is a short messaging service and wherein the message is a short messaging service message.

25 10. A method in a radio access network for handover from a first radio access network to a second radio access network, the first radio access network using a different mode of communication from the second radio access network, the method comprising:

recognizing an ongoing call of the communication device in a serving cell on the first radio access network;

receiving a measurement report including an identifiable value associated with a serving cell of the first radio access network; and

30 transferring the call from the first radio access network to the second radio access network.

11. The method according to claim 10, wherein the identifiable value associated with the serving cell comprises a fictitious neighbor value.

5 12. The method according to claim 10, wherein the fictitious neighbor value comprises one of

a same frequency value as a broadcast channel carrier of the serving cell with a different color code from the broadcast channel carrier of the serving cell, and

10 a frequency value not used as a broadcast channel of the first radio access network of the serving cell.

13. The method according to claim 10, wherein the second radio access network comprises a wireless local area network and the first radio access network comprises a cellular radio access network, and

15 wherein the ongoing communication comprises one of a data session and a call.

14. The method according to claim 10, wherein the color code comprises an information field including a first three bits of a base station identity code.

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15. The method according to claim 10, wherein the ongoing communication comprises a connection between the communication device and a connected party.

25 16. The method according to claim 10, wherein transferring the ongoing communication from the first radio access network to the second radio access network comprises switching the connection between the communication device and the connected party via the first radio access network to a connection between the communication device and the connected party via the second radio access network.

17. The method according to claim 10, wherein transferring the ongoing communication from the first radio access network to the second radio access network further comprises bypassing the first radio access network.

5 18. A communication device for handover from a first radio access network to a second radio access network, the first radio access network using a different mode of communication from the second radio access network, the communication device comprising:

a transceiver;

10 a controller coupled to the transceiver, the controller configured to enter an ongoing communication on the first radio access network via the transceiver;

a network detection module configured to detect the presence of a second radio access network, the second radio access network being unregistered with the first radio access network at initial detection of the presence of the second radio access network while in the ongoing communication; and

15 a handover module configured to transfer the ongoing communication from the first radio access network to the second radio access network.

19. The communication device according to claim 18, wherein the first radio access network is a cellular radio access network and wherein the second radio access network is a wireless local area network.

20. The communication device according to claim 18, wherein the second radio access network is unregistered with the first radio access network by the first radio access network not initially having information on the second radio access network when the network detection module detects the presence of the second radio access network.

21. The communication device according to claim 18, wherein the controller is configured to enter a the ongoing communication by entering a call while operating in a serving cell of the first radio access network, and

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wherein the controller is further configured to generate and transmit a measurement report including a fictitious neighbor value associated with the serving cell.

- 5 22. The communication device according to claim 18, wherein the fictitious neighbor value includes one of
- a same radio frequency value as a broadcast channel carrier of the serving cell including with a different color code from the broadcast channel carrier of the serving cell, and
- 10 a frequency value not used as a broadcast channel of the first radio access network of the serving cell.

 23. The communication device according to claim 22, wherein the color code comprises an information field including a first three bits of a base station identity code.

- 15 24. The communication device according to claim 18, wherein the controller is further configured to set up a data session with the second radio access network and query the second radio access network for information relevant to a circuit handover.

20 25. The communication device according to claim 24, wherein the controller is further configured to transmit a message via a messaging service, the message including information on the second radio access network, the message indicating a desire to transfer the call from the first radio access network to the second radio access network.

25 26. The communication device according to claim 25, wherein the messaging service is a short messaging service and wherein the message is a short messaging service message.

30 27. A controller in a radio access network for handover from a first radio access network to a second radio access network, the first radio access network using a different mode of communication from the second radio access network, the controller comprising:

a communication connection module configured to connect an ongoing communication of the communication device in a serving cell on the first radio access network;

5 a measurement report module configured to receive a measurement report;
and

a handover module configured to transfer the ongoing communication from the first radio access network to the second radio access network.

10 28. The controller according to claim 27, wherein the measurement report comprises a fictitious neighbor value.

29. The controller according to claim 28, wherein the fictitious neighbor value includes one of

15 a same radio frequency value as a broadcast channel carrier of the serving cell including with a different color code from the broadcast channel carrier of the serving cell, and

a frequency value not used as a broadcast channel of the first radio access network of the serving cell.

20 30. The controller according to claim 29, wherein the color code comprises an information field including a first three bits of a base station identity code.

25 31. The controller according to claim 27, wherein the second radio access network comprises a wireless local area network and the first radio access network comprises a cellular radio access network, and

wherein the ongoing communication comprises at least one of a data session and a call.

30 32. The controller according to claim 27, wherein the ongoing communication comprises a connection between the communication device and a connected party.

33. The controller according to claim 27, wherein the ongoing communication is transferred from the first radio access network to the second radio access network by switching the connection between the communication device and the connected party via the first radio access network to a connection between the communication device and the connected party via the second radio access network.

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34. The controller according to claim 27, wherein the ongoing communication is transferred from the first radio access network to the second radio access network further by bypassing the first radio access network.

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